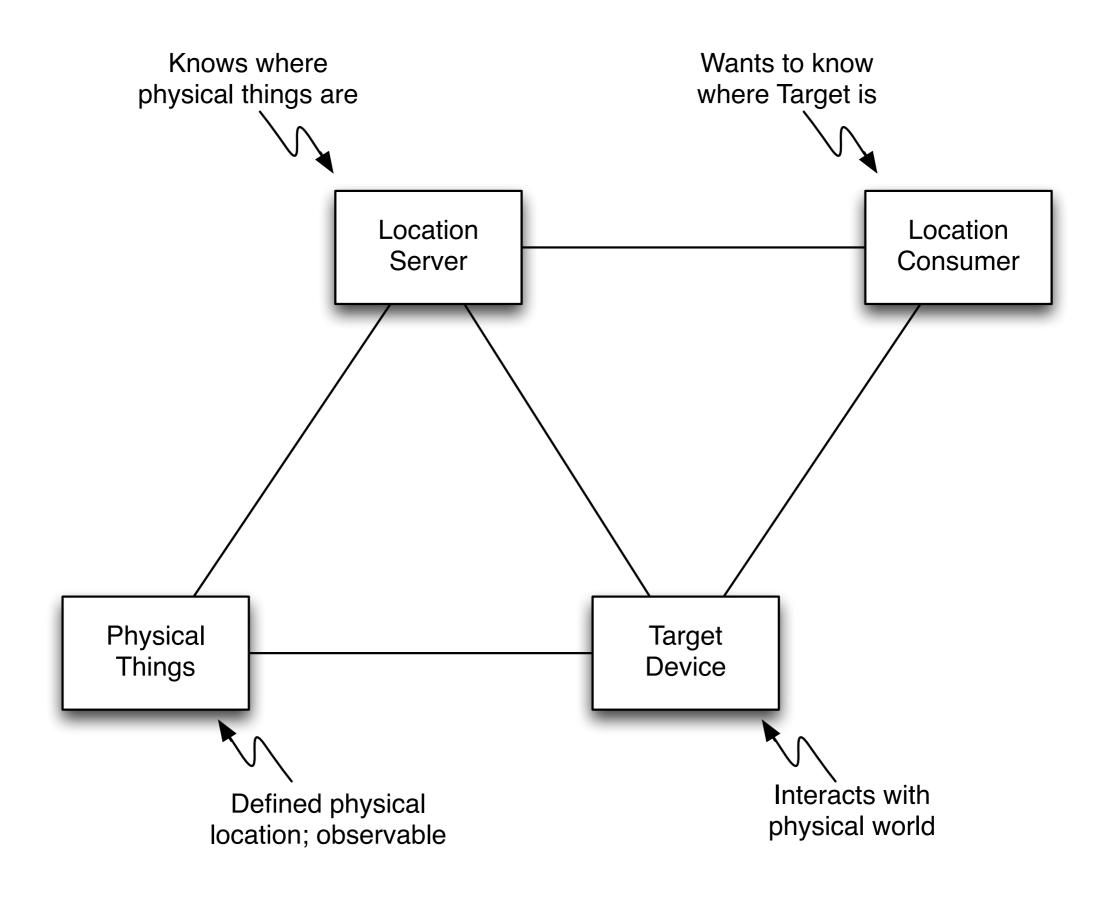
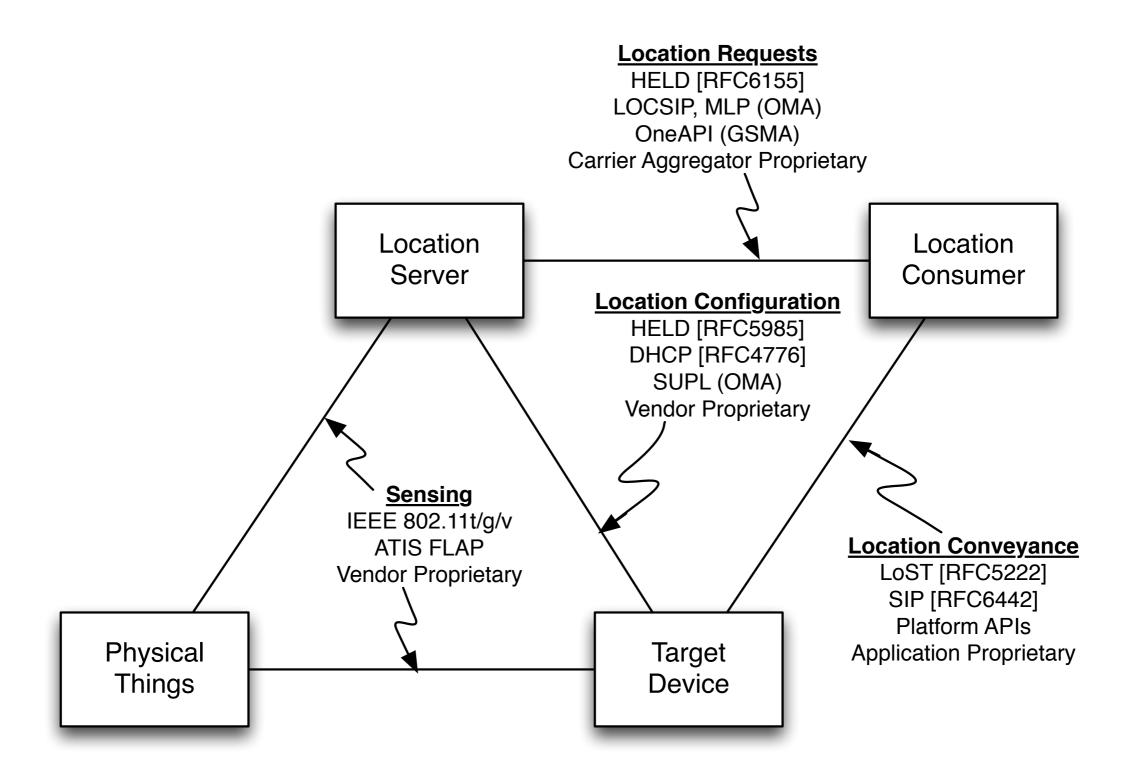
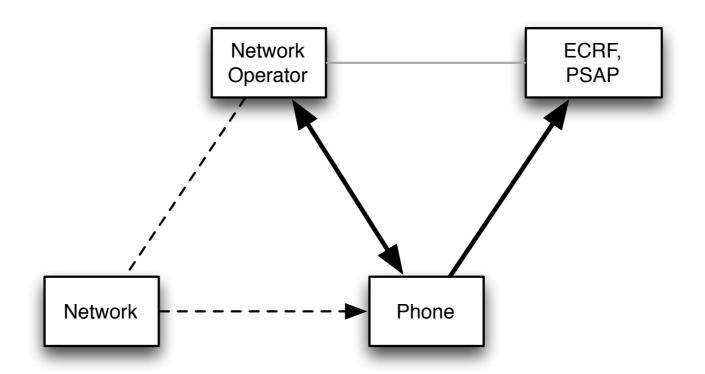
Geolocation Standards

(And how they can help)







GEOPRIV

DHCP: Location server URI

HELD (over HTTP):

<locationRequest/>

<locationResponse>

<!-- location -->

</locationResponse>

ECRIT

LoST (over HTTP):

<findService>

<!-- urn.service.sos -->

<!-- location -->

</findService>

<findServiceResponse>

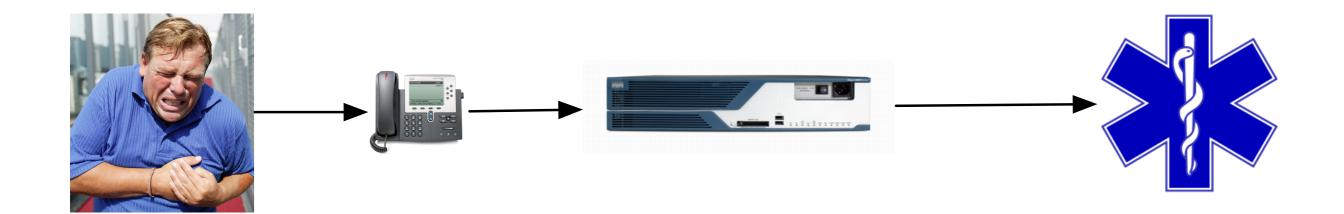
<!-- PSAP URI -->

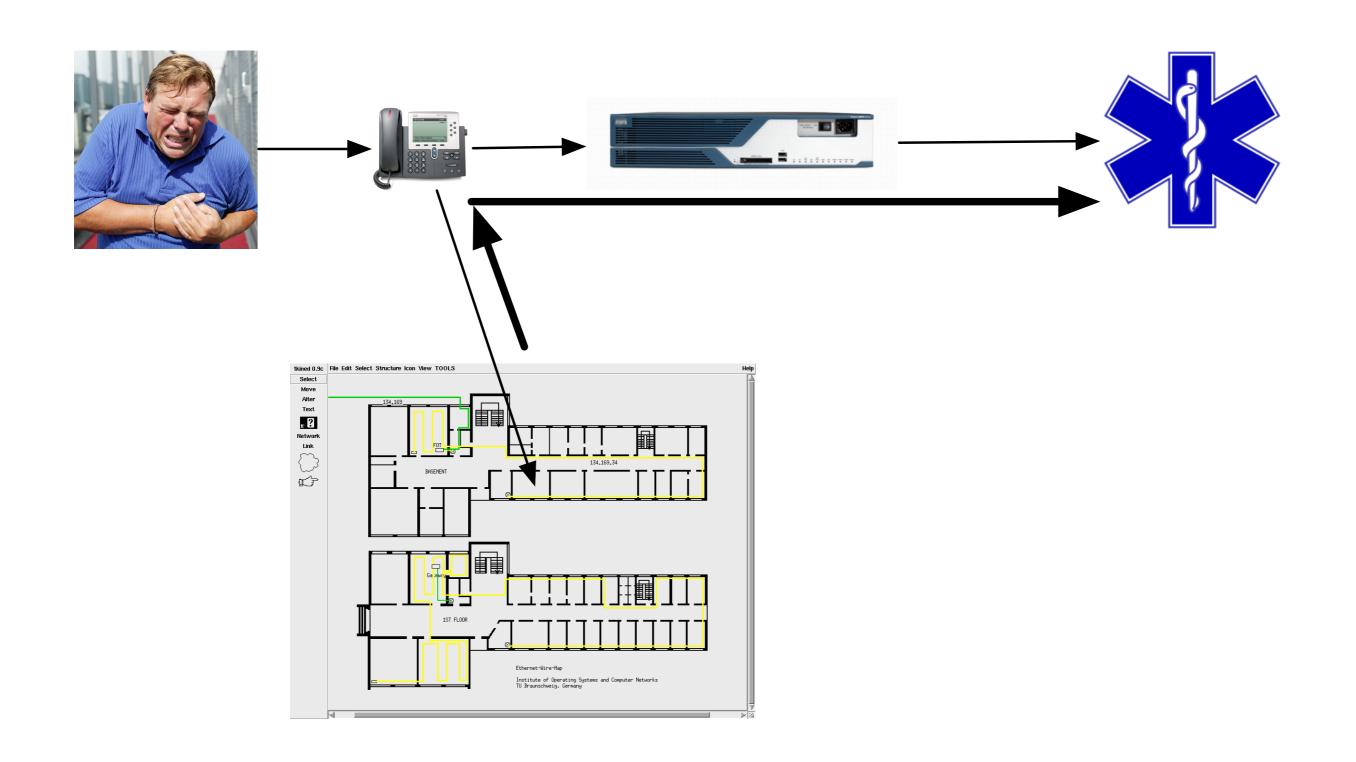
</findServiceResponse>

SIP:

INVITE <psap@example.com> SIP/2.0
Geolocation: <geo:37,-80;r=100>

- This is all actually really simple*
- Ubiquitous indoor positioning is not a technology problem
- It's a data problem





Who has the data?

- GPS: I source (USAF)
- Cellular: 4 sources (major carriers)
- Indoor: I0ⁿ sources (n=4-5)
 - McDonalds, Starbucks, Tyson's Corner, ...
- How do all these entities talk to a PSAP?
 - Centralized / distributed databases
 - Directly / indirectly (via phones)

Utility of Standards

- Indoor positioning is a data problem
- Standard protocols are good at pushing data between independent entities
- But the entities need to decide to share data in the first place